

| Ref # | Hits  | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|--|------------------|---------|------------------|
| S1    | 18515 | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3) with (gas\$2 or vapour\$1 or vapor\$2) with (rate\$1 or speed or velocity)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/08/03 11:26 |
| S2    | 3062  | S1 and (container or compartment or chamber) with (gas\$2 or vapour or vapor) with pressure   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/07/22 15:54 |
| S3    | 132   | S2 and vacuum same (test\$3 or sample\$1) with (pass\$3 or permeat\$3 or flow\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/07/22 15:57 |
| S4    | 47    | S3 and (mass with spectrometer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/07/22 16:20 |
| S7    | 2     | Measur\$5 with permeat\$3 near4 rate with (gas\$2 or vapor or vapour\$1) with (sample\$1 or material\$1) and ( chang\$3 with position\$1 with (container or chamber)) and mass near4 spectrometer | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/07/22 16:12 |
| S8    | 2     | Measur\$5 with permeat\$3 near4 rate with (gas\$2 or vapor or vapour\$1) and (sample\$1 or material\$1) with chang\$3 with position\$1 with (container or chamber) and mass near4 spectrometer    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/07/22 16:12 |
| S9    | 2     | Measur\$5 with permeat\$3 near4 rate with (gas\$2 or vapor or vapour\$1) and (sample\$1 or material\$1) with chang\$3 with position\$1 with (container or chamber)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/07/22 16:19 |
| S10   | 4     | Measur\$5 with permeat\$3 near4 rate with (gas\$2 or vapor or vapour\$1) and (sample\$1 or material\$1) with position\$1 with (container or chamber)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/07/22 16:14 |
| S11   | 19    | S3 and (sample\$1 or material\$1) with position\$1 with (container or chamber)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2005/07/22 16:14 |

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| S12 | 259 | S1 and (sample\$1 or material\$1) with (position\$1 or distance) with (container or chamber or compartment) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:20 |
| S13 | 232 | S12 and (vacuum or pressure)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:20 |
| S14 | 17  | S13 and (mass with spectrometer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:35 |
| S15 | 9   | S14 and valve   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:26 |
| S16 | 1   | S2 and (pressure with decreas\$3 with compensat\$3 with flexible)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:27 |
| S17 | 1   | S1 and (pressure with decreas\$3 with compensat\$3 with flexible)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:27 |
| S18 | 54  | (pressure with decreas\$3 with compensat\$3 with flexible)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:30 |
| S19 | 1   | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3) with (gas\$2 or vapour\$1 or vapor\$2) and S18       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:28 |
| S20 | 25  | (gas\$2 or vapour\$1 or vapor\$2) and S18   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:29 |

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| S21 | 1    | S20 and (mass with spectrometer)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:31 |
| S22 | 1    | S18 and (mass with spectrometer)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:29 |
| S23 | 1676 | (pressure with compensat\$3 with flexible)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:31 |
| S24 | 3    | S23 and (mass with spectrometer)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:35 |
| S25 | 1    | S2 and (container with sample with adhesive) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:55 |
| S26 | 1    | S1 and (container with sample with adhesive) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:35 |
| S27 | 138  | (container with sample with adhesive)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:35 |
| S28 | 1    | S27 and (mass with spectrometer)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:35 |
| S29 | 38   | S2 and (container with adhesive)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:39 |

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| S30 | 3   | S2 and (container with body with (sample\$1 or material\$1) with cover\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:46 |
| S31 | 4   | vacuum near4 chamber\$1 and (gas\$2 or vapor or vapour) near5 container and mass near4 spectrometer with pressure and (position or location or distance) with spectrometer with (sample\$1 or material\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:50 |
| S32 | 7   | vacuum with chamber\$1 and (gas\$2 or vapor or vapour) near5 container and mass near4 spectrometer and (position or location or distance) with spectrometer with (sample\$1 or material\$1)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:51 |
| S33 | 1   | S2 and (container with sample with glued)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:55 |
| S34 | 1   | S2 and (container with material with glued)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/22 16:55 |
| S35 | 2   | "20040123646"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 16:15 |
| S36 | 2   | "20050092068"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 16:17 |
| S37 | 2   | "6766682".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 16:17 |
| S38 | 364 | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission) with (gas\$2 or vapour or vapor) with (rate\$1 or speed or velocity) with (test ot sample\$1) with film                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 16:21 |

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| S39 | 381 | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (rate\$1 or speed or velocity) with (test ot sample\$1) with film   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:28 |
| S40 | 2   | "20040225457"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:23 |
| S41 | 9   | S39 and (polymer or metal or ceramic or composite or semiconductor or biological) near3 material with (test or sample\$1)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:28 |
| S42 | 6   | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (rate\$1 or speed or velocity) with (test ot sample\$1) with (polymer or metal or ceramic or composite or semiconductor or biological) near3 material\$1  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:29 |
| S43 | 5   | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (rate\$1 or speed or velocity) with (test or sample\$1) with (polymer or metal or ceramic or composite or semiconductor or biological) near3 material\$1  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:33 |
| S44 | 13  | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (rate\$1 or speed or velocity) same (test or sample\$1) with (polymer or metal or ceramic or composite or semiconductor or biological) near3 material\$1  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:36 |
| S45 | 239 | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (rate\$1 or speed or velocity) same (test or sample\$1) with (polymer or metal or ceramic or composite or semiconductor or biological)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:56 |
| S46 | 102 | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) same (test or sample\$1) with (polymer or metal or ceramic or composite or semiconductor or biological) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:58 |
| S47 | 46  | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) with (test or sample\$1) with (polymer or metal or ceramic or composite or semiconductor or biological) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/07/28 16:51 |
| S48 | 0   | ("2003/0001086").URPN.   | USPAT   | OR | OFF | 2005/07/28 16:45 |

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| S49 | 4   | S47 and (battery or batteries)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 16:53 |
| S50 | 2   | S47 and (fill\$3 with valve\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 16:54 |
| S51 | 147 | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (rate\$1 or speed or velocity) same (test or sample\$1) with edge\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 16:56 |
| S52 | 1   | (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (rate\$1 or speed or velocity) with (test or sample\$1) near4 edge\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 16:58 |
| S53 | 121 | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) same (test or sample\$1) with edge\$1                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 17:02 |
| S54 | 6   | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) same (test or sample\$1) near3 edge\$1                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 17:06 |
| S55 | 62  | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) and (test or sample\$1) near3 edge\$1                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 17:29 |
| S56 | 1   | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) with (test or sample\$1) near3 edge\$1                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 17:30 |
| S57 | 3   | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) with (test or sample\$1) near3 (border\$1 or ri\$1 or trim\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 17:32 |

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| S58 | 0     | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) with (test or sample\$1) near3 (border\$1 or rim\$1 or trim\$1)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 17:33 |
| S59 | 8     | (measur\$5 or estimat\$3 or calculat\$3 or determin\$3 or obtain\$3 or comput\$3) with (Permeat\$3 or penetrat\$3 or diffusion or dispers\$3 or transmission or transport\$3) with (gas\$2 or vapour or vapor) with (ratio\$1 or rate\$1 or speed or velocity) same (test or sample\$1) near3 (edge\$1 or border\$1 or rim\$1 or trim\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/07/28 17:33 |
| S60 | 13149 | (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (estimat\$3 or measur\$5 or calculat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 09:04 |
| S61 | 2284  | S60 and (vapor or vapour or gas) with (test or sample\$1 or material\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 08:56 |
| S62 | 128   | S61 and batter\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 08:56 |
| S63 | 62    | S62 and (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (estimat\$3 or measur\$5 or calculat\$3) with (vapor or vapour or gas)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:12 |
| S64 | 0     | S62 and (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (estimat\$3 or measur\$5 or calculat\$3) with (vapor or vapour or gas) with batter\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 09:14 |
| S65 | 1     | (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (estimat\$3 or measur\$5 or calculat\$3) with (vapor or vapour or gas) with batter\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 09:30 |
| S66 | 8     | (permeab\$5 or permeat\$3 or transmission or transport\$3) with (rate\$1 or ratio\$1) with (estimat\$3 or measur\$5 or calculat\$3) with (vapor or vapour or gas) with batter\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 09:32 |

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| S67 | 2   | (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (estimat\$3 or measur\$5 or calculat\$3) with (vapor or vapour or gas) same batter\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:31 |
| S68 | 29  | S62 and (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (determin\$3) with (vapor or vapour or gas)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:12 |
| S69 | 0   | S62 and (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (determin\$3) with (vapor or vapour or gas) with batter\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:13 |
| S70 | 4   | (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (estimat\$3 or measur\$5 or calculat\$3 or determin\$3) with (vapor or vapour or gas) same (semiconductor or micro adj electronic)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 11:49 |
| S71 | 100 | (permeab\$5 or permeat\$3 or transmission or transport\$3) near3 (rate\$1 or ratio\$1) with (estimat\$3 or measur\$5 or calculat\$3 or determin\$3) with (vapor or vapour or gas) with (polymer or metal or ceramic or semiconductor or biological) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:32 |
| S72 | 0   | S71 and micro adj electronic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:33 |
| S73 | 12  | S71 and electronic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:33 |
| S74 | 1   | Edge near3 permeation with batteries  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:39 |
| S75 | 5   | Edge near3 (permeat\$3 or permeab\$5) with batter\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:42 |



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| S76 | 11   | Edge near3 (permeat\$3 or permeab\$5 or transmission) with batter\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:43 |
| S77 | 2    | "20030001086"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 10:51 |
| S78 | 1    | S60 and (movable with chang\$3 with internal with volume)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 11:49 |
| S79 | 0    | S60 and (adjust\$4 with chang\$3 with internal with volume)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/01 11:49 |
| S80 | 215  | 702/24.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 11:19 |
| S81 | 186  | 702/51.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:49 |
| S82 | 1570 | 73/38.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:49 |
| S83 | 313  | 429/54.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:49 |
| S84 | 1391 | 250/282.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:50 |

|     |       |   |  |    |     |                  |
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| S85 | 339   | 250/286.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:50 |
| S86 | 913   | 356/338.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:50 |
| S87 | 18545 | (Permeat\$3 or penetrat\$3 or diffusion or<br>dispers\$3) with (gas\$2 or vapour\$1 or vapor\$2)<br>with (rate\$1 or speed or velocity) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:51 |
| S88 | 2     | S80 and S87   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:52 |
| S89 | 1     | S81 and S87   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:52 |
| S90 | 68    | S82 and S87   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:52 |
| S91 | 2     | S83 and S87   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:53 |
| S92 | 33    | S84 and S87   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:54 |
| S93 | 7     | S85 and S87   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:54 |

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| S94  | 1     | S86 and S87  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 09:54 |
| S95  | 312   | position with resolve\$1 with location\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 11:21 |
| S96  | 4     | S95 and (test or sample) and (rate with permeation)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 12:11 |
| S97  | 1     | S95 and S87  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 11:26 |
| S98  | 16061 | (permeat\$3 or permeab\$5 or transmission) near4 (rate\$1 or ratio\$1) with (measur\$5 or detect\$3 or stud\$3 or calculat\$3 or determin\$3) and (position\$2 or location\$1 or 2-d or dimention\$2)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 12:16 |
| S99  | 4321  | (permeat\$3 or permeab\$5 or transmission) near4 (rate\$1 or ratio\$1) with (measur\$5 or detect\$3 or stud\$3 or calculat\$3 or determin\$3) same (position\$2 or location\$1 or 2-d or dimention\$2) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 12:29 |
| S100 | 4319  | (permeat\$3 or permeab\$5 or transmission) near4 (rate\$1 or ratio\$1) with (measur\$5 or detect\$3 or stud\$3 or calculat\$3 or determin\$3) same (position\$2 or location\$1 or dimention\$2)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 12:17 |
| S101 | 4317  | (permeat\$3 or permeab\$5 or transmission) near4 (rate\$1 or ratio\$1) with (measur\$5 or detect\$3 or stud\$3 or calculat\$3 or determin\$3) same (position\$2 or location\$1)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 12:17 |
| S102 | 2412  | (permeat\$3 or permeab\$5 or transmission) near4 (rate\$1 or ratio\$1) with (measur\$5 or detect\$3 or stud\$3 or calculat\$3 or determin\$3) with (position\$2 or location\$1)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 12:18 |

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| S10<br>3 | 830     | S102 and (test or sample\$1 or material\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 12:19 |
| S10<br>4 | 7       | S103 and (mass adj spectrometer)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 12:29 |
| S10<br>5 | 18      | S100 and (mass adj spectrometer)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 13:22 |
| S10<br>6 | 2       | "20040123646"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 13:23 |
| S10<br>7 | 2       | "20050092068"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 13:23 |
| S10<br>8 | 2       | "6629043".pn.                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 13:23 |
| S10<br>9 | 2       | "6766682".pn.                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 14:39 |
| S11<br>0 | 4960183 | "20010016682" A1                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 14:39 |
| S11<br>1 | 2       | "20010016682"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 14:39 |

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| S11<br>2 | 2 | "20020026110" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/08/03 14:39 |
|----------|---|---------------|--|----|-----|------------------|